

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

'SHEET 1 OF 1

Application No.	10/690,975
Filing Date	October 22, 2003
First Named Inventor	Paul E. Denney
Art Unit	1725
Examiner	Maria Alexandra Elve
Attorney Docket No.	LOMASR.024A

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
AE	1	10/690,983	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.021A)	
	2	10/690,833	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.023A)	
	3	10/691,481	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.025A)	
	4	10/691,444	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.026A)	
	5	10/803,272	03/18/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.021CP1)	
	6	10/803,243	03/18/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.023CP1)	
AE	7	10/803,267	03/18/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.026CP1)	
	8				

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	9					
	10					
	11					
	12					
	13					

1527613\_1  
033105

Examiner Signature	M. Alexandra Elve.	Date Considered	4/12/05
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

MAR 17 2005

SHEET 1 OF 1

Application No.	10/690,975
Filing Date	October 22, 2003
First Named Inventor	Paul E. Denney
Art Unit	1725
Examiner	Maria Alexandra Elve
Attorney Docket No.	LOMASR.024A

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
AC		PCT/US2004/008312 ISR dated 9/2/04	03/18/2004	Loma Linda University Medical Center		
AC		PCT/US2004/008219 ISR dated 12/06/04	03/18/2004	Loma Linda University Medical Center		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>

1334455\_1  
031105

Examiner Signature <i>M. Alexandra Elve</i>	Date Considered <i>4/12/05</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION ENCLOSURE STATEMENT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. LOMASR.024A	APPLICATION NO. 10/690,975
	APPLICANTS Paul E. Denney et al.	
	FILING DATE October 22, 2003	GROUP 1725

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AC	1	5,026,966	06/25/91	Roth			
	2	5,034,010	07/23/91	Kittrell et al.			
	3	5,085,026	02/04/92	McGill et al.			
	4	5,107,516	04/21/92	Dressel et al.			
	5	5,148,446	09/15/92	Radich			
	6	5,256,852	10/26/93	Boudot			
	7	5,977,515	11/02/99	Uraki et al.			
	8	6,191,382 B1	02/20/01	Damikolas			
	9	6,664,495 B2	12/16/03	Yamaguchi et al.			
	10	6,664,504 B2	12/16/03	Bertez			
	11	6,667,458 B1	12/23/03	Sirat			
	12	6,670,571 B2	12/30/03	Dance			
	13	6,670,575 B1	12/30/03	Wrba et al.			
	14	6,683,277 B1	01/27/04	Millard et al.			
	15	6,693,256 B2	02/17/04	Furujo et al.			
	16	6,720,567 B2	04/13/04	Fordahl et al.			
	17	6,777,646 B2	08/17/04	Schubert			
	18	6,791,061 B2	09/14/04	Fujii et al.			
AC	19	6,797,919 B1	09/28/04	Millard et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AC	20	EP 0 521 194 A	01/07/93	Europe				
	21	EP 0 540 745 A	05/12/93	Europe				
	22	EP 1 189 241 A1	03/20/02	Europe				
AC	23	JP 59087992 A2	09/11/84	Japan (Abstract)				

EXAMINER

M. Alexandra Elue

DATE CONSIDERED

4/12/05

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LOMASR.024A	APPLICATION NO. 10/690,975
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANTS Paul E. Denney et al.	
		FILING DATE October 22, 2003	GROUP 1725

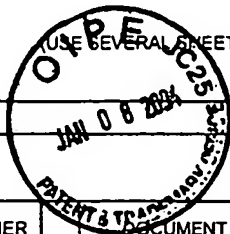
FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AE	24	JP 59-87992	09/11/84	Japan (Patent)				
	25	JP 09242453	09/16/97	Japan (Abstract)				
	26	JP 9-242453	09/16/97	Japan (Patent)				
	27	PCT/US2004/008219	03/18/04	PCT Int'l Search Report mailed 09/21/2004				
	28	PCT/US2004/008070	03/18/04	PCT Int'l Search Report dated 08/20/2004				
	29	PCT/US2004/008229	07/27/89	PCT Int'l Search Report dated 10/26/2004				
	30	PCT/US2004/008314	03/18/04	PCT Int'l Search Report dated 05/08/2004				
	31	PCT/US2004/008312	03/18/04	PCT Int'l Search Report mailed 09/21/2004				
AE	32	WO 89/06519 A	07/27/89	(WIPO) PCT Application				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
AE	33	RÜMENAPP, T., ET AL., "Laser Beam Cutting of Concrete," <u>Key Engineering Materials</u> , Fraunhofer Institute Material and Beam Technology Dresden, D-01277 Dresden, Germany, Vol. 250, 2003, pp. 257-261.	

H:\DOCS\BSI\BSI-7317.DOC  
122004

EXAMINER	M. Alexandra Eive	DATE CONSIDERED	4/12/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

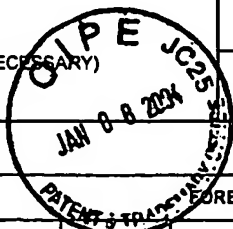
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LOMASR.024A	APPLICATION NO. 10/690,975
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANTS Paul Denney et al.	
		FILING DATE October 22, 2003	GROUP Unknown



U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AE	1	3,871,485	03/18/75	Keenan, Jr.	—	—
	2	4,227,582	10/14/80	Price	—	—
	3	4,568,814	02/04/86	Hamasaki et al.	—	—
	4	5,554,335	09/10/96	Fields et al.	—	—
	5	5,592,283	01/07/97	Flesher et al.	—	—
	6	5,657,595	08/19/97	Fyfe et al.	—	—
	7	5,664,389	09/09/97	Williams	—	—
	8	5,782,043	07/21/98	Duncan et al.	—	—
	9	5,920,938	07/13/99	Elcock et al.	—	—
	10	5,986,234	11/16/99	Matthews et al.	—	—
	11	6,056,827	05/02/00	Fukui et al.	—	—
	12	6,064,034	05/16/00	Rieck	—	—
	13	6,114,676	09/05/00	Jerby et al.	—	—
	14	6,288,362 B2	09/11/01	Thomas et al.	—	—
	15	6,288,363 B1	09/11/01	Kaga et al.	—	—
	16	6,417,487 B2	07/09/02	Nagura et al.	—	—
	17	6,507,000 B2	01/14/03	Otsubo et al.	—	—
	18	6,521,864 B2	02/18/03	Bertez et al.	—	—
	19	6,614,002 B2	09/02/03	Weber	—	—
	20	6,649,866 B2	11/18/03	Reichmann et al.	—	—
	21	2003/0132210 A1	07/17/03	Fujii et al.	—	—
V	22	2003/0183608 A1	10/02/03	Yamazaki et al.	—	—
AE	23	2003/0222062 A1	12/04/03	Brown et al.	—	—

EXAMINER	M. Alexandra Elve	DATE CONSIDERED	4/12/05
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED; INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LOMASR.024A	APPLICATION NO. 10/690,875
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)		APPLICANTS Paul Denney et al.	
		FILING DATE October 22, 2003	GROUP Unknown



FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>AE</i>	24	WO 00/37208	12/12/99	Patent Cooperation Treaty (PCT)				
	25	WO 03/028941 A1	04/10/03	PCT				
	26	WO 03/028943 A1	04/10/03	PCT				
	27	WO 03/061895 A1	07/31/03	PCT				
	28	JP 62179884 A	08/07/87	Japan				
	29	JP 63157778 A	06/30/88	Japan				
	30	JP 63157780 A	06/30/88	Japan				
	31	JP 03081080 A	04/05/91	Japan				
	32	JP 04316000 A	11/06/92	Japan				
	33	JP 10331434 A	12/15/98	Japan				
<i>AE</i>	34	JP 11019785 A	01/26/99	Japan				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
<i>AE</i>	35	PCT International Search Report dated September 23, 2003 in 5 pages.
<i>AE</i>	36	"Study on Laser Cutting of Concrete," Hiroshi Yoshizawa, Sivakumaran Wignarajah, and Hideaki Saito, <u>Transactions of the Japan Welding Society</u> , Vol. 20, No. 1, April 1989, pp. 31-36.

H:\DOCS\BSI\BSI-4996.DOC:sam  
010604

EXAMINER	<i>M. Alexandra Eive</i>	DATE CONSIDERED	<i>4/12/05</i>
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			